

INTERMOUNTAIN STATION
Central Reference File

U. S. Department of Agriculture - Forest Service
CENTRAL STATES FOREST EXPERIMENT STATION
Columbus, Ohio

No.

Station Note
No. 21

December 8, 1934

A BLACK WALNUT VOLUME TABLE
FOR CONTENTS IN BOARD FEET

Plantation Black Walnut
(*Juglans nigra* Linn.)
Central States Region

L. F. Kellogg

1932

Scribner Rule
10.0" top d.i.b.

Diameter breast high Inches (o.b.)	Diameter inside bark (i.b.)	Total Height in Feet					Basis: No. of trees
		50	60	70	80	90	
		Volume in board feet					
13	11.2	24	31	37	44	50	20
14	12.0	44	54	65	77	87	16
15	12.9	64	79	95	112	127	16
16	13.8	85	105	125	145	162	13
17	14.7	107	130	153	175	195	10
18	15.6		154	178	204	226	6
19	16.4		176	204	233	258	4
20	17.3		198	230	260	288	2
21	18.2		220	253	286	316	1
22	19.1		241	276	311	343	1
23	20.0		263	300	338	372	-
Basis: No. of trees		3	12	56	17	1	89

Trees measured by the Central States Forest Experiment Station in Kentucky, Indiana, Illinois and Iowa. Stump height 1.0 ft. Top diameter inside bark 10.0". Scaled in 12-ft. log lengths with trimming allowance of 0.3 ft. Additional top sections scaled as fractions of a 12-ft.-10.0" log. Trees with less than 1 log scaled down to a 6-ft. section. Aggregate deviation: Chart is 0.93% high. Average percentage deviation on 61 trees, 13.9" and over in D.B.H., 11.7%. Block indicates extent of basic data. Prepared by the alinement chart method.

This is the fifth and last volume table for plantation black walnut, prepared from the study of walnut throughout the Central States.